

[書類名]

[図面]

[図1]

FIG. 1.B

FIG. 1A (A)

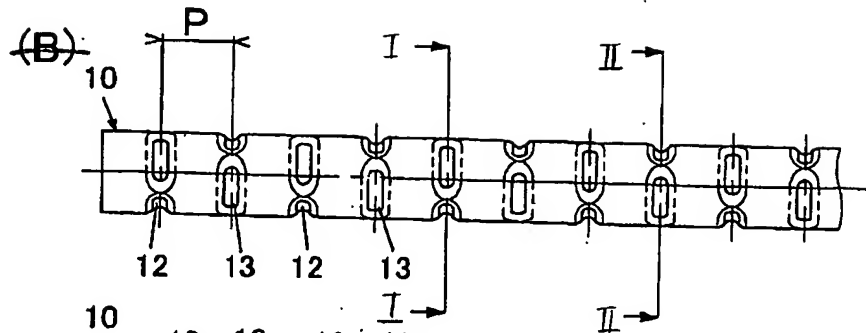
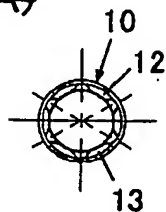
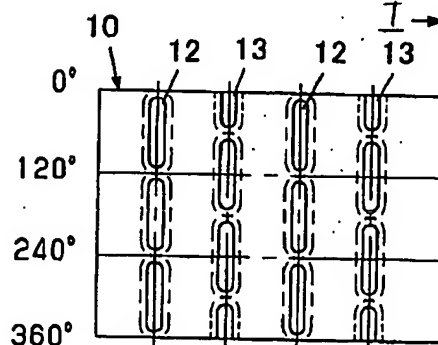


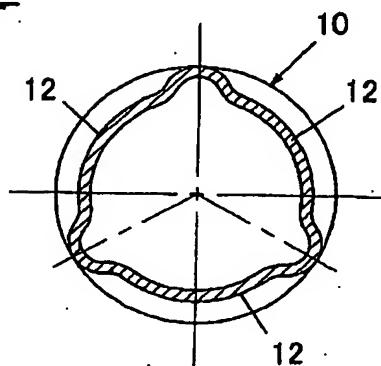
FIG. 1C (C)



[図2]

FIG. 2A

(A)

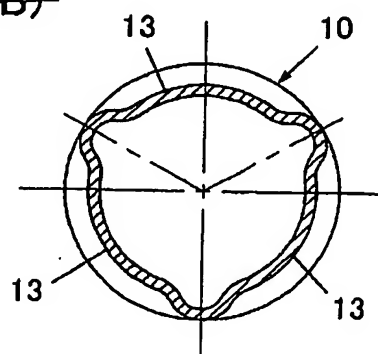


(A-A断面)

Cross section I-I

FIG. 2B

(B)



(B-B断面)

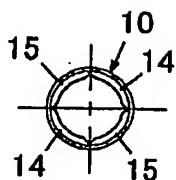
Cross section II-II

~~図3~~

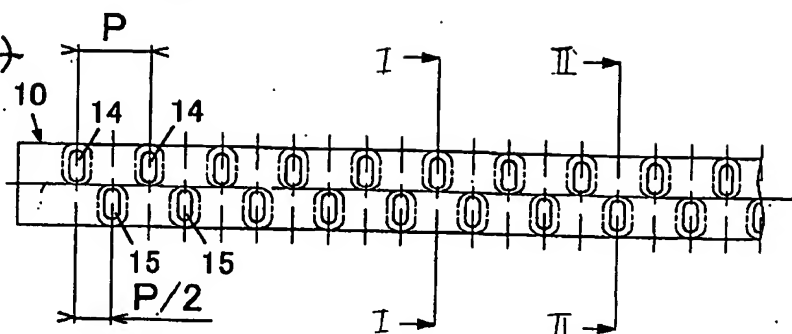
FIG. 3B

(A)

FIG. 3A

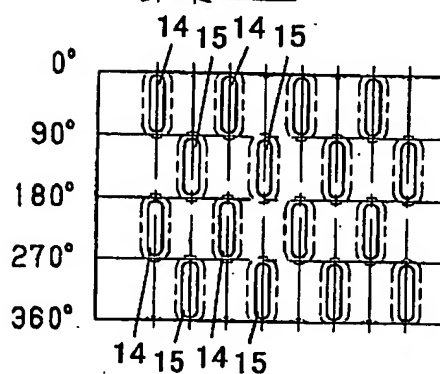


(B)



(C)

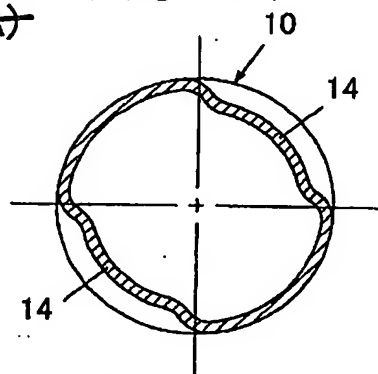
FIG. 3C



~~図4~~

FIG. 4A

(A)

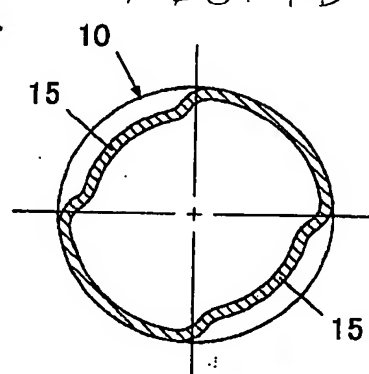


(A-A断面)

Cross section I-I

FIG. 4B

(B)



(B-B断面)

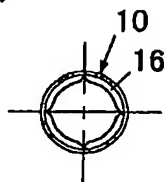
Cross section II-II

~~図5~~

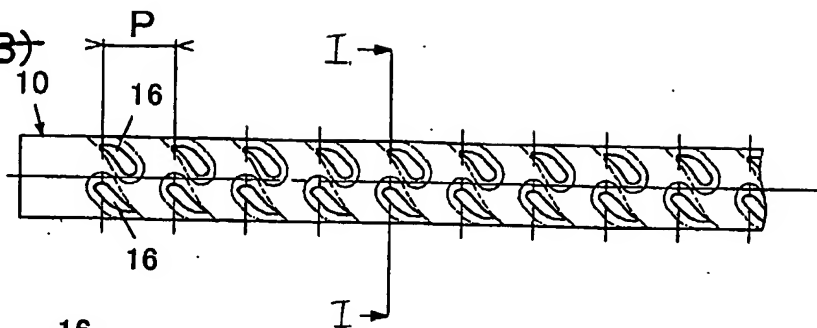
FIG. 5B

(A)

FIG. 5A

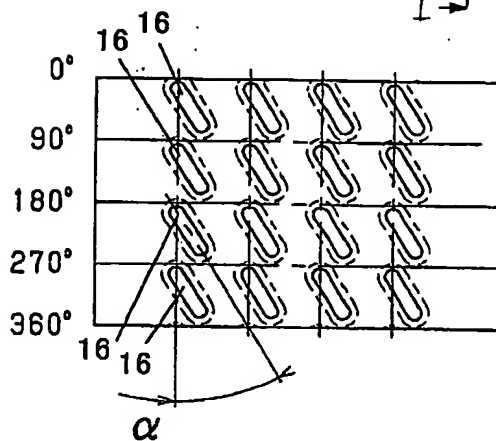


(B)



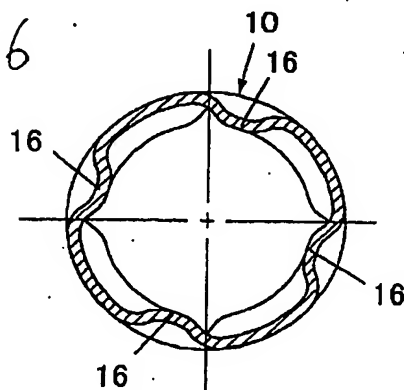
(C)

FIG. 5C



~~図6~~

FIG. 6



~~(A-A断面)~~

Cross section I-I

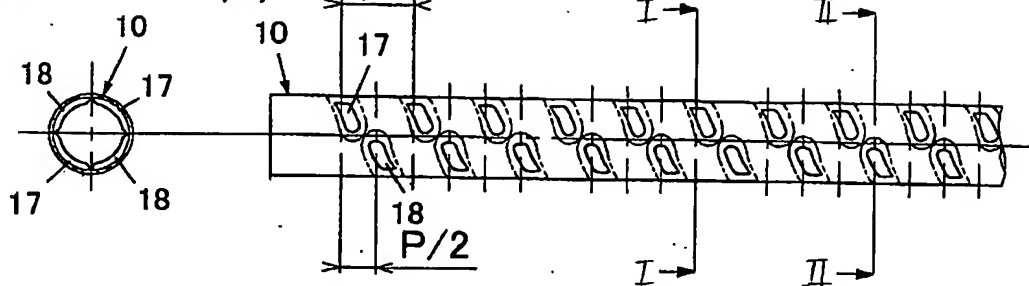
[図7]

FIG. 7B

(A)

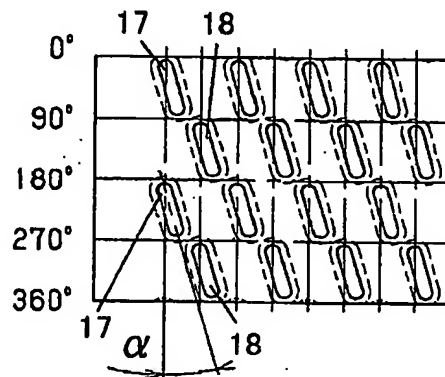
(B)

FIG. 7A



(C)

FIG. 7C



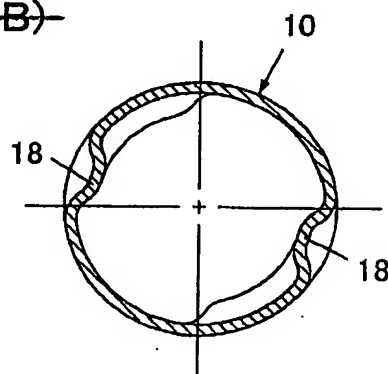
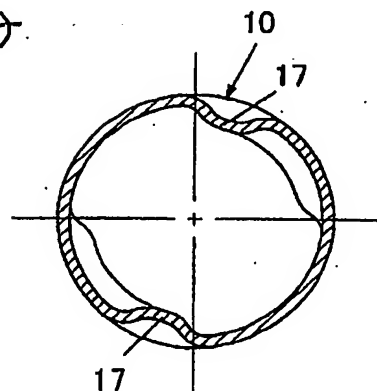
[図8]

FIG. 8A

FIG. 8B

(A)

(B)



(A-A断面)

(B-B断面)

Cross section I-I

Cross section II-II

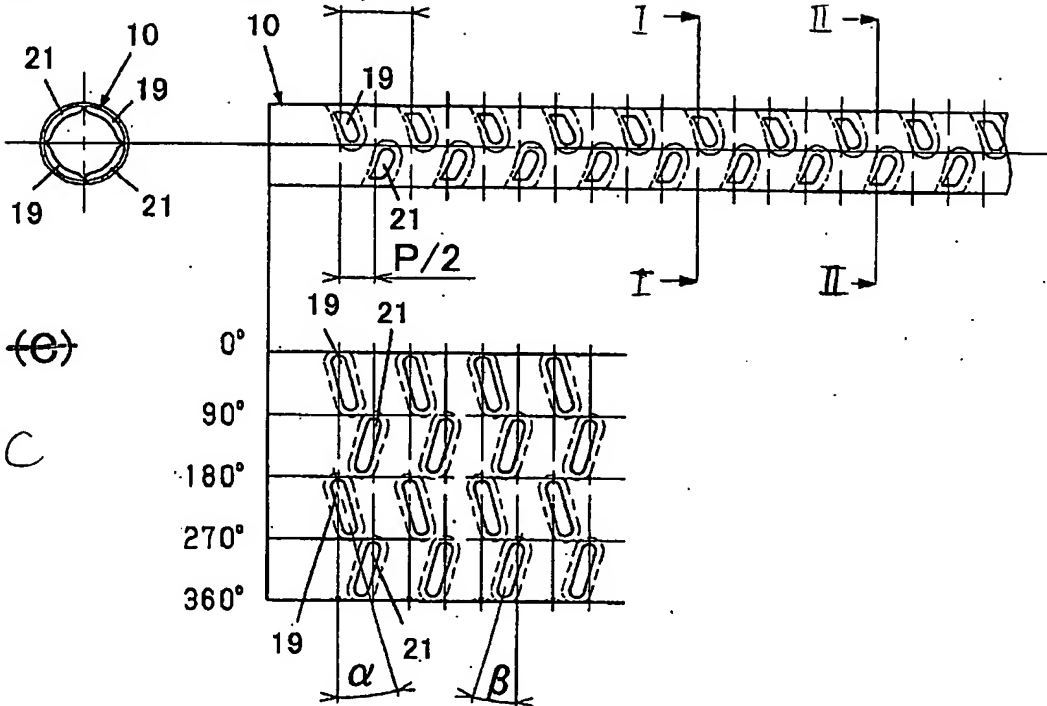
+図9+

FIG. 9B

(A)

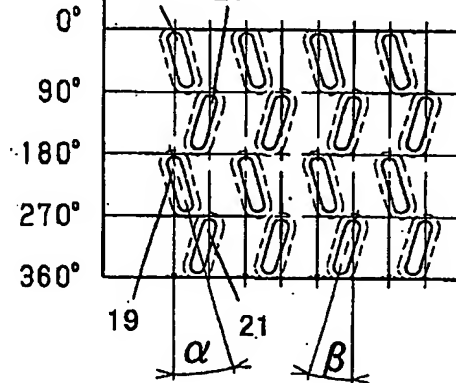
(B)

FIG. 9A



(C)

FIG. 9C



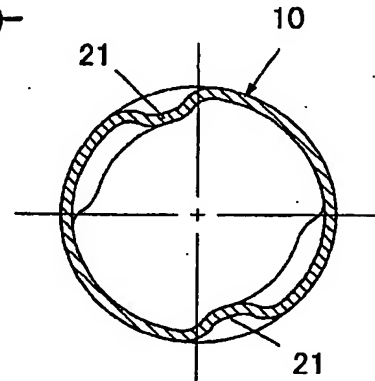
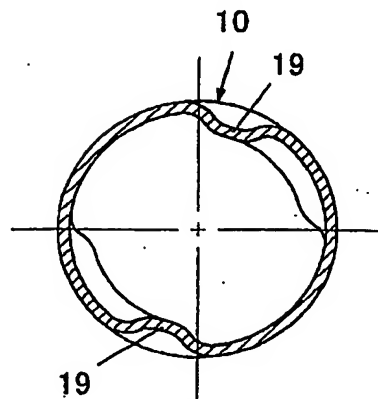
+図10+

FIG. 10A

FIG. 10B

(A)

(B)



(A-A断面)

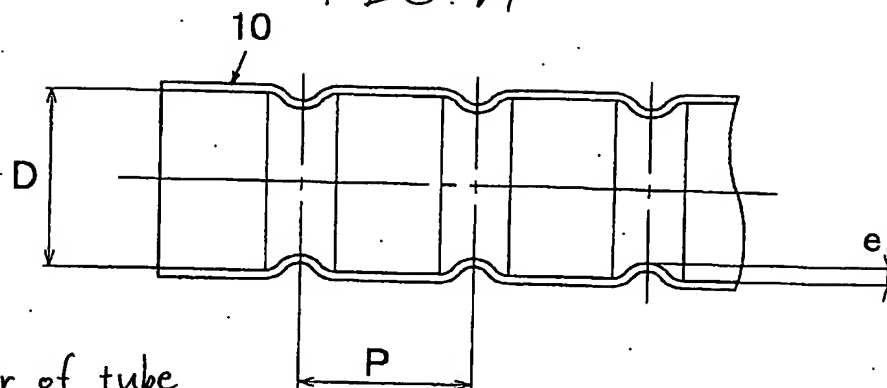
(B-B断面)

Cross section I-I

Cross section II-II

【図11】

FIG. 11



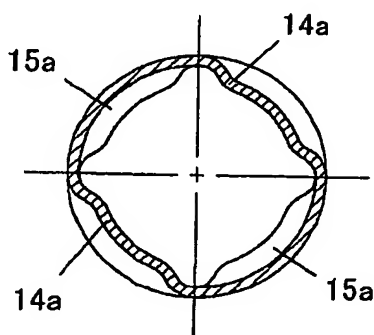
Inner diameter of tube

|                                 |                   |
|---------------------------------|-------------------|
| D; チューブ内径                       | 5mm~30mm          |
| e; <del>ビード高さ</del> Bead height | $0.05D \sim 0.2D$ |
| P; <del>ビード間ピッチ</del>           | $6e \sim 25e$     |

Bead pitch

【図12】

FIG. 12



~~【図13】~~

FIG. 13

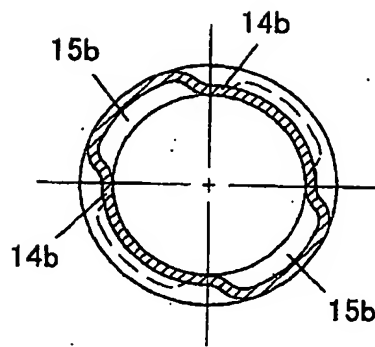
~~【図14】~~

FIG. 14

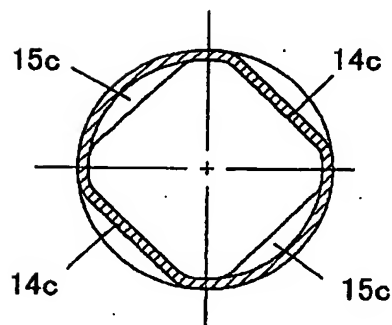
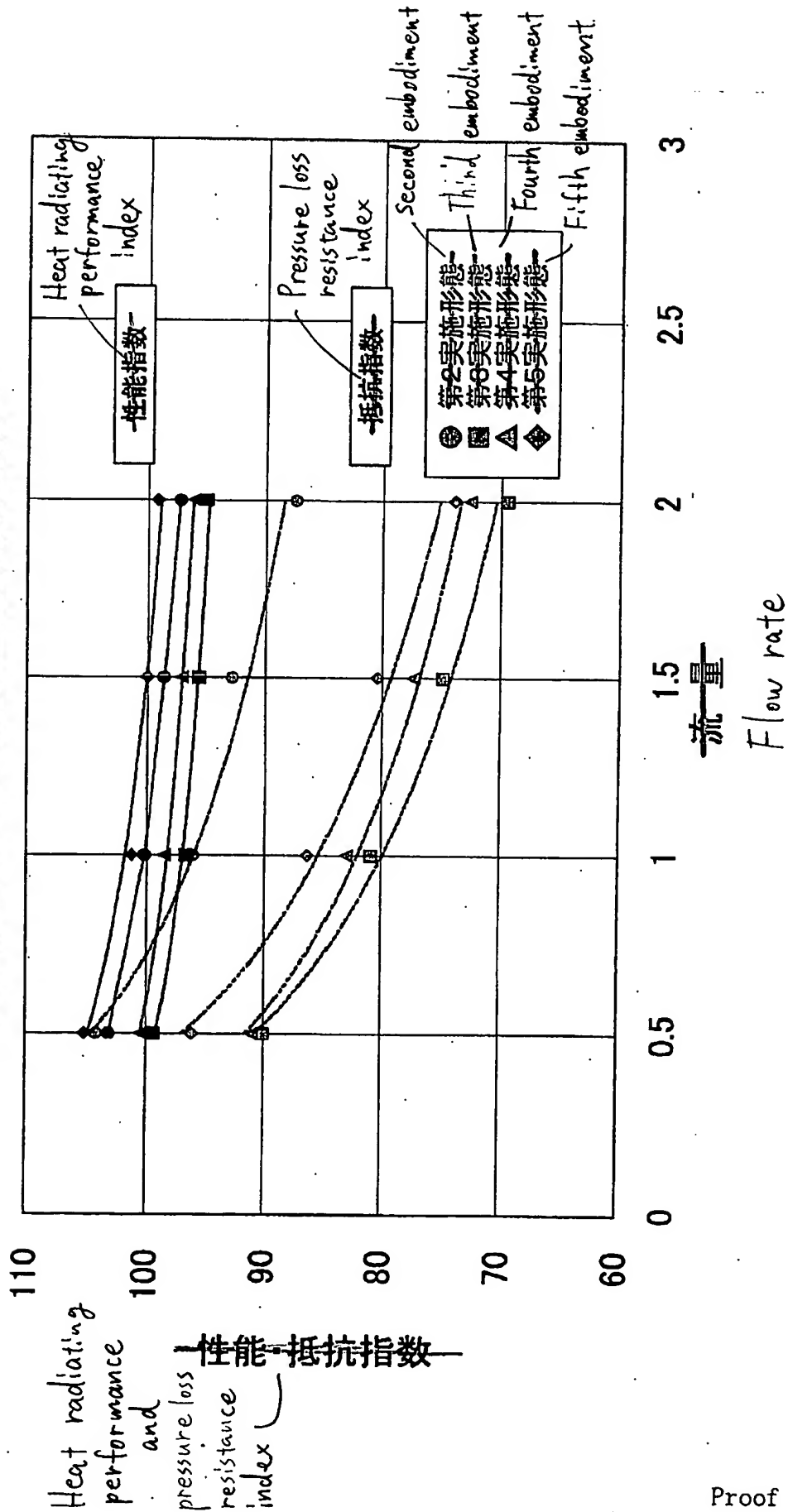
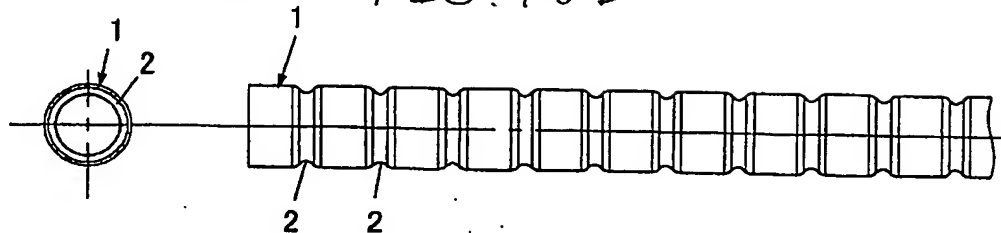
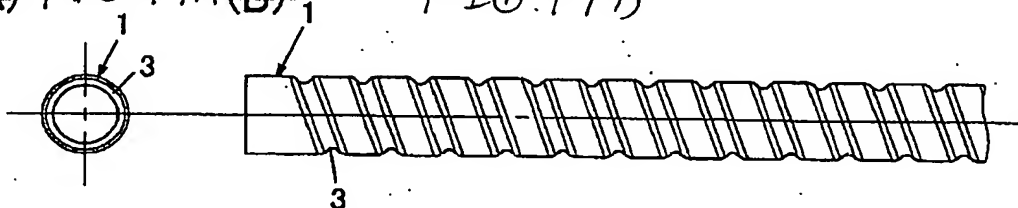


FIG. 15

Heat radiating performance and pressure loss resistance index of tube of embodiment in the case where two-dimensional protrusion tube (related art) is set at 100.

~~二次元突起チューブ(従来技術)を100とした時の実施形態チューブの性能と圧力損失抵抗指数~~



~~{図16}~~~~(A)~~ FIG.16A ~~(B)~~ FIG.16B~~{図17}~~~~(A)~~ FIG.17A ~~(B)~~ FIG.17B~~{図18}~~~~(A)~~ FIG.18A ~~(B)~~ FIG.18B